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## 21st-CENTURY AGRICULTURE

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**MARCH 23, 2010**



Humanity's longest struggle has been to feed itself. This *eJournal USA* explores how 21st-century technical prowess and agricultural skill hold the key to feeding the growing populations of the future.

Full text is available at  
<http://www.america.gov/publications/ejournalusa/0310.html>.

Click [here](#) to download in PDF format (6.4 MB, 44 pages).

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### Inside This Publication

#### From the Editors

- [About This Issue](#)

#### Food Security

- [Every Link in the Food Chain](#)

*An Interview With M. Vijaya Gupta and Philip E. Nelson*

Two winners of the annual World Food Prize discuss technologies and strategies for advancing agriculture and solving world food needs.

- [Food for the World](#)

The World Food Prize rewards individuals who have improved the quantity, quality, or availability of food for the world.

- [Bring Fish From the Waters](#)

M. Vijaya Gupta is known as the father of the “blue revolution” for spreading the techniques and technologies of aquaculture to developing world farmers.

- [Fresh From Farm to Plate](#)

Philip E. Nelson’s work assures the freshness and purity of food products.

- [U.S. Food Policy Aims for “Transformational Change”](#)

The Obama administration has launched an initiative to improve food security worldwide.

## **Global Agriculture Statistics**

- [By The Numbers](#)

- [Top Crop Producers](#)

- [Raw Materials of Biofuels](#)

## **Agriculture and Globalization**

- [The Borlaug Legacy: A New Paradigm for Agricultural Research](#)

*Roger Beachy, Director, National Institute of Food and Agriculture*

The U.S. Department of Agriculture works to achieve a transformative change in agriculture to support the needs of the world’s population.

- [Feeding the “Hidden Hunger”](#)

The lack of proper nutrients is the cause of malnutrition, and global aid efforts address the problem.

- [Crops Will Provide 21st-Century Energy](#)

Elisa Wood, [www.RealEnergyWriters.com](http://www.RealEnergyWriters.com)

Agriculture has the potential to provide crops and plant waste that can serve as fuel in the emerging area of bioenergy.

- [Bioenergy: Available, Renewable, Sustainable](#)

Bioenergy can be created from many sources.

- [International Agricultural Trade: Illustrated](#)

A graphic look at the bounty of global agricultural trade.

- [Agriculture in the Global Marketplace](#)

*Dr. C. Peter Timmer, Thomas D. Cabot Professor of Development Studies, Emeritus, Harvard University*

Globalization is affecting agriculture production in a variety of ways from crop selection to marketing.

- [Water Sustains All](#)

Agriculture is the largest consumer of the planet’s fresh water supplies.

- [The Legacy of Plant Life](#)

The international community safeguards thousands of different plant samples and seeds to preserve the genetic diversity of the plant kingdom.

## Photo Galleries

- [Life on the Land](#)

A photo story depicts the bond between farm families and the land.

- [Nature + Science = New Crops](#)

A photo story describes how science works to give food crops qualities that nature overlooked.

## Additional Resources

- [Books, articles, web sites, and filmography.](#)



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